



# SPYWOLF

## Security Audit Report



Completed on  
**April 30, 2023**

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# OVERVIEW

This audit has been prepared for **ShibAnon** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# ShibAnon



## PROJECT DESCRIPTION

### **According to their litepaper:**

Shibanon was created to become the first mixer on the Shibarium chain. Staying true to the core essence of decentralization, Shibanon will provide ultimate privacy to your transactions while utilizing their platform. The purpose of this unique mixer dApp executing this function, is to ensure investors on the Shibarium chain maintain their privacy with every transaction.

**Release Date:** Main token launches on May 1, 2023

**Category:** Crypto mixer



# CONTRACT INFO

Token Name ShibaStaking	Symbol N/A
Contract Address 0xf1dd9ceaa83dc32e0116b7a9ea79872bf17d615a	
Network Ethereum	Language Solidity
Deployment Date Apr 28, 2023	Verified? Yes
Total Supply N/A	Status Launched

## TAXES



\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

Transfer Count	N/A
Uniq Senders	N/A
Uniq Receivers	N/A
Total Amount	N/A
Median Transfer Amount	N/A
Average Transfer Amount	N/A
First transfer date	N/A
Last transfer date	N/A
Days token transferred	N/A

# SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	Apr-28-2023 07:22:35 PM +UTC
Created	Apr-28-2023 07:22:35 PM +UTC
Create TX	0x20f607a6a2c924caca973fefed96b7a4b5e88e7822c7a7b75ee55c402b581976
Creator	0xcb8436363d1d351a8a18b4435782cd60497f1aa8



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

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Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## High Risk

No high risk-level threats found in this contract.

## Medium Risk

No medium risk-level threats found in this contract.

## Low Risk

No low risk-level threats found in this contract.

 **Owner does not have any special privileges.**



## Informational

There is 10% early withdraw fee applied if users withdraws their funds before the rewardPeriod is expired.

Current rewardPeriod is 3 days.

```
uint256 public rewardPeriod = 3 days;
uint16 public withdrawTax = 1000;
uint16 public constant percentRate = 10000;

function withdrawCapital(uint _amount) external nonReentrant {
    .....
    uint withdrawFee = (_amount * withdrawTax).div(percentRate);
    uint256 RoiTime = block.timestamp - depositInfo[msg.sender].depositAt;
    if (RoiTime > rewardPeriod) {
        withdrawFee = 0;
    }
    .....
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## ShibAnon Staking

### GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.